

AI-Powered Robot Vacuum Cleaner with Laser and Camera Navigation

This robot vacuum cleaner uses laser and camera-based navigation with AI. It has intelligent path planning, obstacle avoidance, and zone cleaning capabilities.



ADDITIONAL IMAGES



Overview

Intelligent Cleaning Solution

This advanced robot vacuum cleaner utilizes a sophisticated combination of laser and camera-based navigation, enhanced by artificial intelligence, to deliver efficient and thorough cleaning performance. Designed for professional-grade floor maintenance, it features intelligent path planning, precise obstacle avoidance, and adaptive cleaning capabilities. The system automatically learns and adapts to various home environments, ensuring comprehensive coverage and optimized cleaning routines.

Navigation Technology

Hardware Features

- Elevating LDS module
- Integrated Camera
- Laser Sensor

Navigation System

LDS Navigation, VSLAM, AI Recognition

Cleaning Capabilities

Core Functions

Obstacle Avoidance • Path Planning • Zone Cleaning • Automatic Charging • App Control

Performance Metrics

1 High

AI Adaptation Level